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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

25X1

COUNTRY

Germany (Soviet Zone)

SUBJECT

RFT Röhrenwerk Mühlhausen

DATE DISTR. 7 Apr 54

25X1

NO. OF PAGES2

NO. OF ENCLS. 1

SUPP. TO REPORT NO. يوورا 25X1

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THIS IS UNEVALUATED INFORMATION

- 1. A new tube shop has been erected or greatly enlarged at the Mikhausen RFT works. The shop is confining itself for the present to the manufacture of amplifier tubes, exiefly of the E series. From the organization of the works until December 1953, 852,000 tubes were shipped out, including rectifier tubes and Series C ballast tubes.
- 2. Since about a month ago, tubes of the American "12" series have been produced, as well as the E series; for example, the tube 12AX7. Witrashort wave (VKW) tubes have also been in production since December 1953, meinly the UKW diode SA 102, the UKW triode SD 1 A, and the UKW pentode SF 1 A. These tubes are produced in comparatively small numbers. About 2.000 of the SA 102 tubes have left the plant since December 1953.
- 3. Technical data on the above tubes are as follows:

SA 102; hesting voltage, 1.9 volts; heating current, 0.35 ampere; plate voltage, 100 volts; plate current, 0.1 mA.

SD 1A: heating voltage, 1.9 volts; heating current, 0.5 ampere; plate voltage, 75 volts; plate current, 10 mA; negative grid voltage, -1 volt; mutual conductance, 1.55 mA per volt; penetration coefficient, 6 percent.

SF 1A: heating voltage, 1.9 volts; heating current, 0.5 ampere; plate voltage, 150 volts; plate surrent, 2mA; sereen grid current, 75 volts; negative grid voltage, -2.5 volts; mutual conductance, 1.55 mA per volt; penetration coefficient, 5.5 percent.

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- 4. An electrometer tube, T 115, and an acorn triode are in process of development.
- 5. The WKW tubes almost all go to the Soviet Union.
- 6. The Mühlheusen works his been granted a credit of 1,800,000 DM for the production year 1954, to the used for improving the equipment and setting up a new MK-Anlage (sie) which is to be ready for service in 1955.

Note: "MK-Anlage": meening of this *bbreviated expression is not elear. It may stand for montage (assembly) shop.

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